

FIG. 1

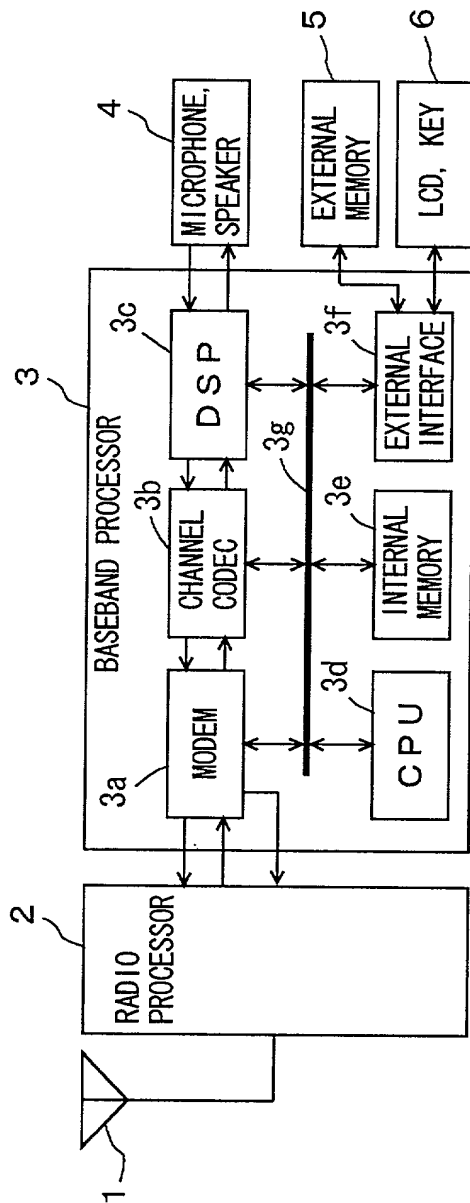


FIG. 2

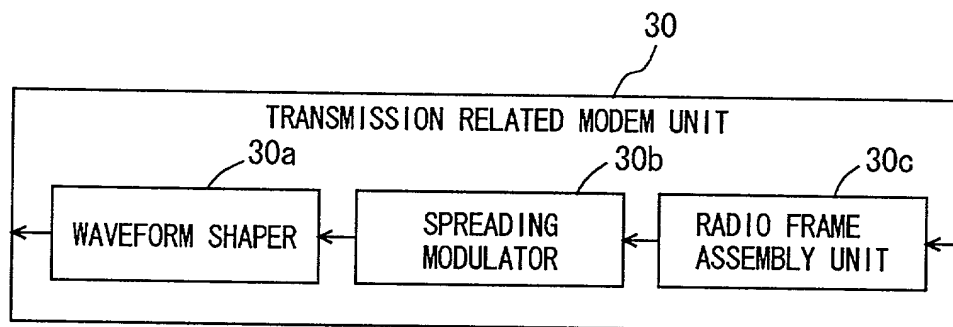
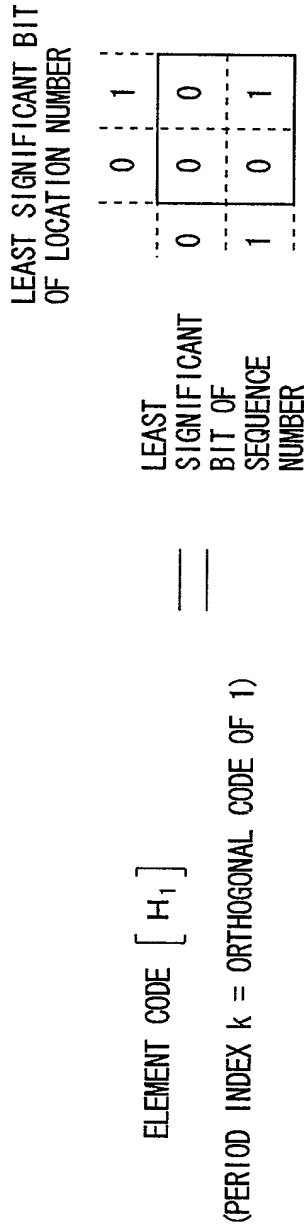


FIG. 3

$$\begin{array}{ll}
 \text{PERIOD INDEX :0} & [H_0] = [0] \\
 \text{PERIOD INDEX :1} & [H_1] = \begin{bmatrix} H_0 & H_0 \\ H_0 & \overline{H_0} \end{bmatrix} = \begin{bmatrix} 0 & 0 \\ 0 & 1 \end{bmatrix} \\
 \text{PERIOD INDEX :2} & [H_2] = \begin{bmatrix} H_1 & H_1 \\ H_1 & \overline{H_1} \end{bmatrix} = \begin{bmatrix} 0 & 0 & 0 & 0 \\ 0 & 1 & 0 & 1 \\ 0 & 0 & 1 & 1 \\ 0 & 1 & 1 & 0 \end{bmatrix} \\
 \vdots & \vdots \\
 \text{PERIOD INDEX :k} & [H_k] = \begin{bmatrix} H_{k-1} & H_{k-1} \\ H_{k-1} & \overline{H_{k-1}} \end{bmatrix}
 \end{array}$$

		LOCATION NUMBER (C)															
		0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
SEQUENCE NUMBER (B)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1
	2	0	0	1	1	0	0	1	1	0	0	1	1	0	0	1	1
	3	0	1	1	0	0	1	1	0	0	1	1	0	0	1	1	0
	4	0	0	0	0	1	1	1	1	0	0	0	0	1	1	1	1
	5	0	1	0	1	1	0	1	0	0	1	0	1	1	0	1	0
	6	0	0	1	1	1	1	0	0	0	0	1	1	1	1	0	0
	7	0	1	1	0	1	0	0	1	0	1	1	0	1	0	0	1
	8	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1
	9	0	1	0	1	0	1	0	1	1	0	1	0	1	0	1	0
	10	0	0	1	1	0	0	1	1	1	1	0	0	1	1	0	0
	11	0	1	1	0	0	1	1	0	1	0	0	1	1	0	0	1
	12	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0
	13	0	1	0	1	1	0	1	0	1	0	1	0	0	1	0	1
	14	0	0	1	1	1	1	0	0	1	1	0	0	0	0	1	1
	15	0	1	1	0	1	0	0	1	1	0	0	1	0	1	1	0

FIG. 5



09895326 070204

FIG. 6

		VALUES OF LOCATION NUMBER EXCLUDING LEAST SIGNIFICANT BIT							
		000	001	010	011	100	101	110	111
VALUES OF SEQUENCE NUMBER EXCLUDING LEAST SIGNIFICANT BIT	000	H_1	H_1	H_1	H_1	H_1	H_1	H_1	H_1
	001	H_1	$\overline{H_1}$	H_1	$\overline{H_1}$	H_1	$\overline{H_1}$	H_1	$\overline{H_1}$
	010	H_1	H_1	$\overline{H_1}$	$\overline{H_1}$	H_1	H_1	$\overline{H_1}$	$\overline{H_1}$
	011	H_1	$\overline{H_1}$	$\overline{H_1}$	H_1	H_1	$\overline{H_1}$	$\overline{H_1}$	H_1
	100	H_1	H_1	H_1	H_1	$\overline{H_1}$	$\overline{H_1}$	$\overline{H_1}$	$\overline{H_1}$
	101	H_1	$\overline{H_1}$	H_1	$\overline{H_1}$	$\overline{H_1}$	H_1	$\overline{H_1}$	H_1
	110	H_1	H_1	$\overline{H_1}$	$\overline{H_1}$	$\overline{H_1}$	$\overline{H_1}$	H_1	H_1
	111	H_1	$\overline{H_1}$	$\overline{H_1}$	H_1	$\overline{H_1}$	H_1	H_1	$\overline{H_1}$

FIG. 7

		VALUES OF LOCATION NUMBER EXCLUDING LEAST SIGNIFICANT BIT							
		000	001	010	011	100	101	110	111
VALUES OF SEQUENCE NUMBER EXCLUDING LEAST SIGNIFICANT BIT	000	0	0	0	0	0	0	0	0
	001	0	1	0	1	0	1	0	1
	010	0	0	1	1	0	0	1	1
	011	0	1	1	2	0	1	1	2
	100	0	0	0	0	1	1	1	1
	101	0	1	0	1	1	2	1	2
	110	0	0	1	1	1	1	2	2
	111	0	1	1	2	1	2	2	3

FIG. 8

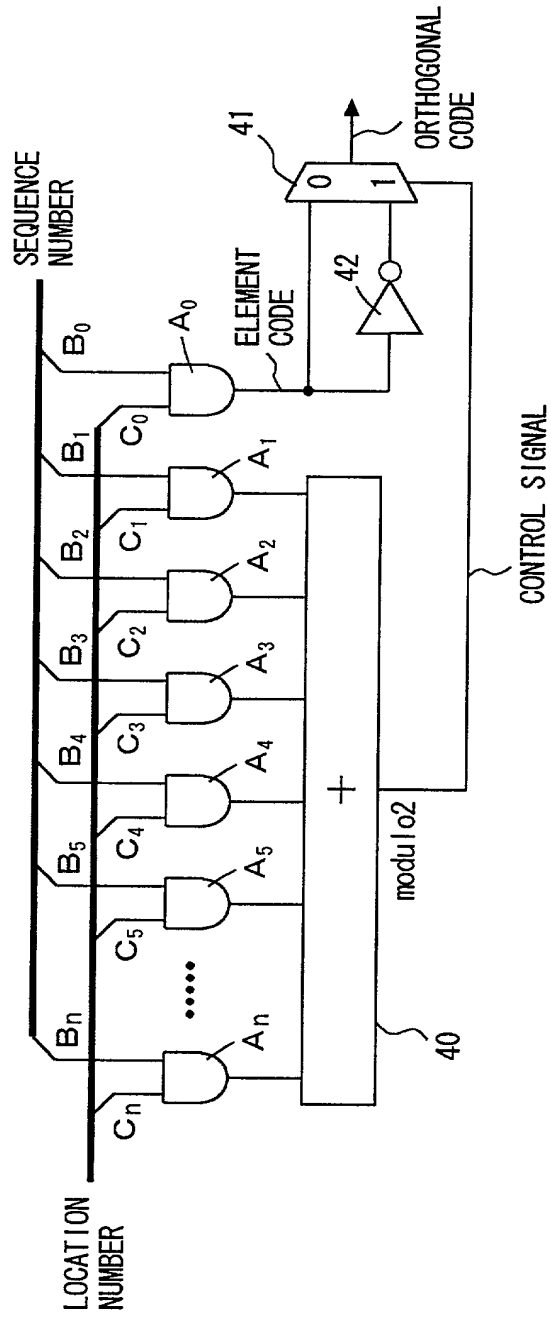


FIG. 9

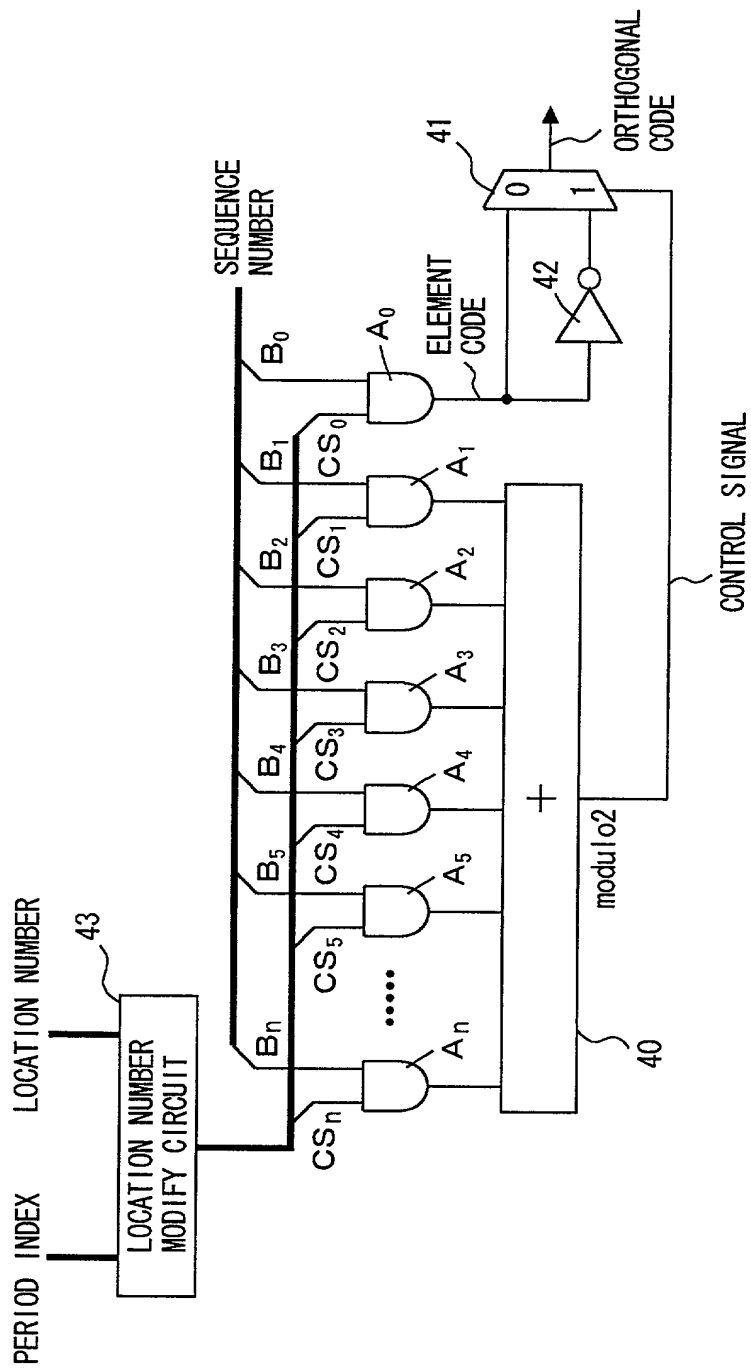
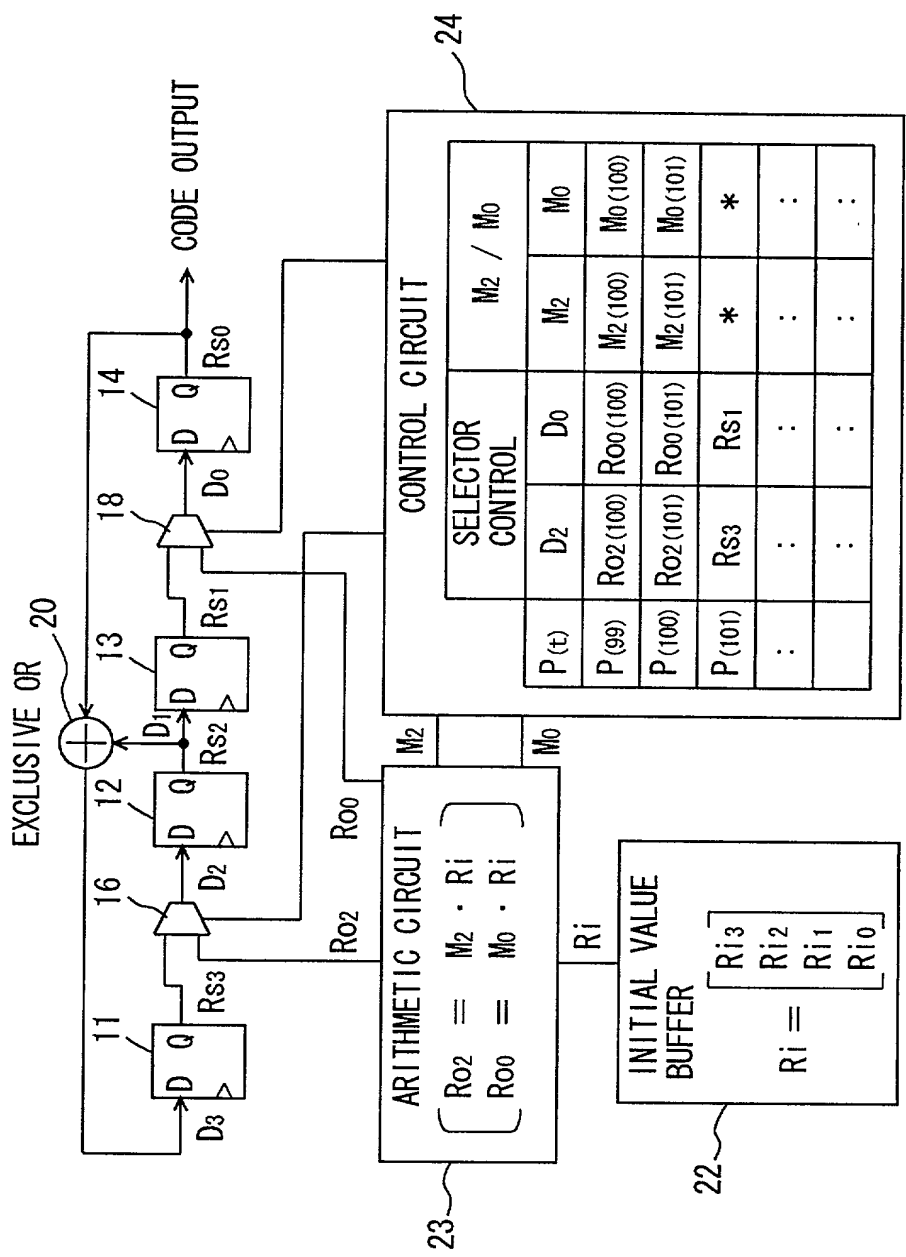


FIG. 10

		LOCATION NUMBER (C)															
		0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
SEQUENCE NUMBER (B)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1
	2	0	0	0	0	1	1	1	1	0	0	0	0	1	1	1	1
	3	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0
	4	0	0	1	1	0	0	1	1	0	0	1	1	0	0	1	1
	5	0	0	1	1	0	0	1	1	1	1	0	0	1	1	0	0
	6	0	0	1	1	1	1	0	0	0	0	1	1	1	1	0	0
	7	0	0	1	1	1	1	0	0	1	1	0	0	0	0	1	1
	8	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1
	9	0	1	0	1	0	1	0	1	1	0	1	0	1	0	1	0
	10	0	1	0	1	1	0	1	0	0	1	0	1	1	0	1	0
	11	0	1	0	1	1	0	1	0	1	0	1	0	0	1	0	1
	12	0	1	1	0	0	1	1	0	0	1	1	0	0	1	1	0
	13	0	1	1	0	0	1	1	0	1	0	0	1	1	0	0	1
	14	0	1	1	0	1	0	0	1	0	1	1	0	1	0	0	1
	15	0	1	1	0	1	0	0	1	1	0	0	1	0	1	1	0

FIG. 11



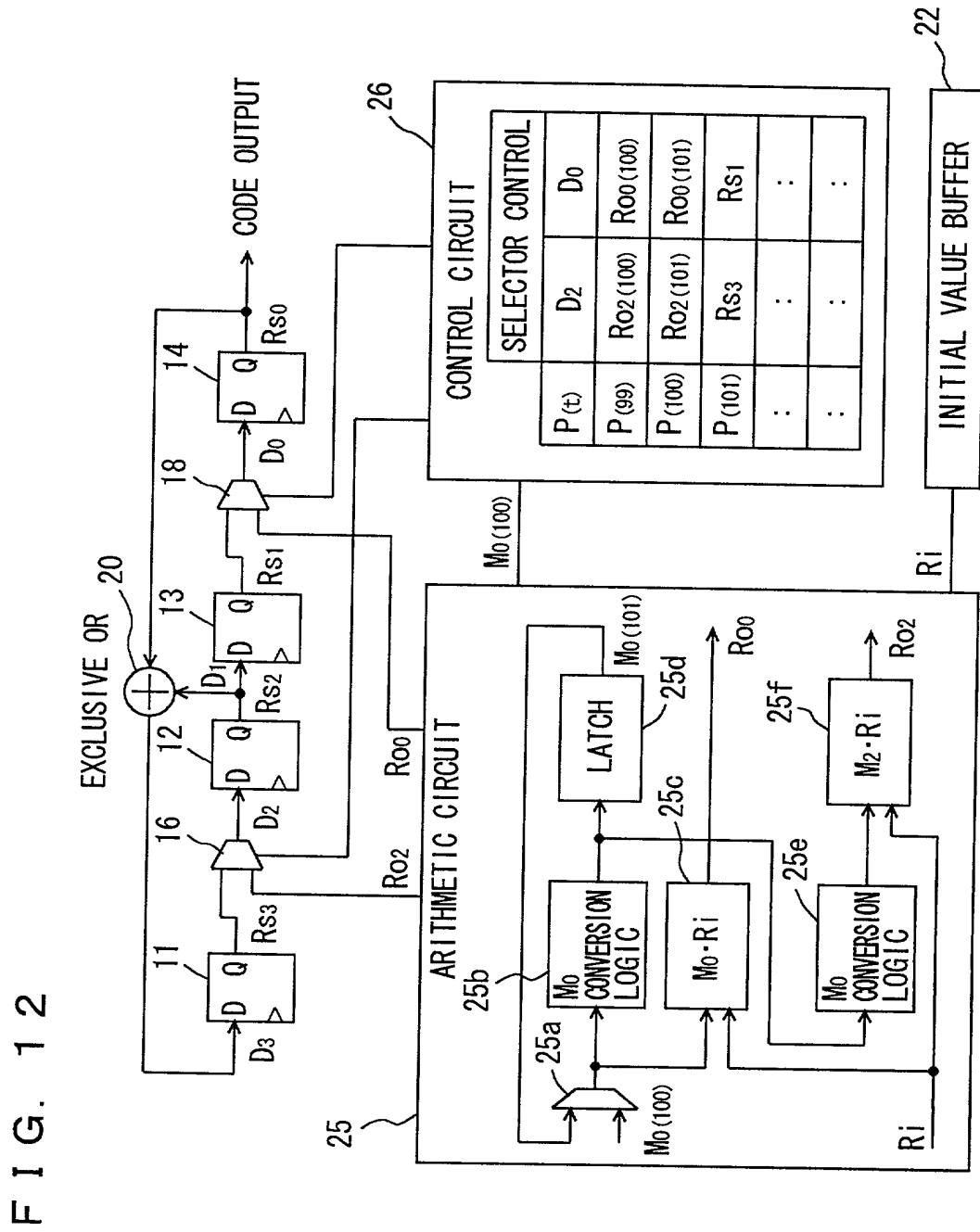


FIG. 13

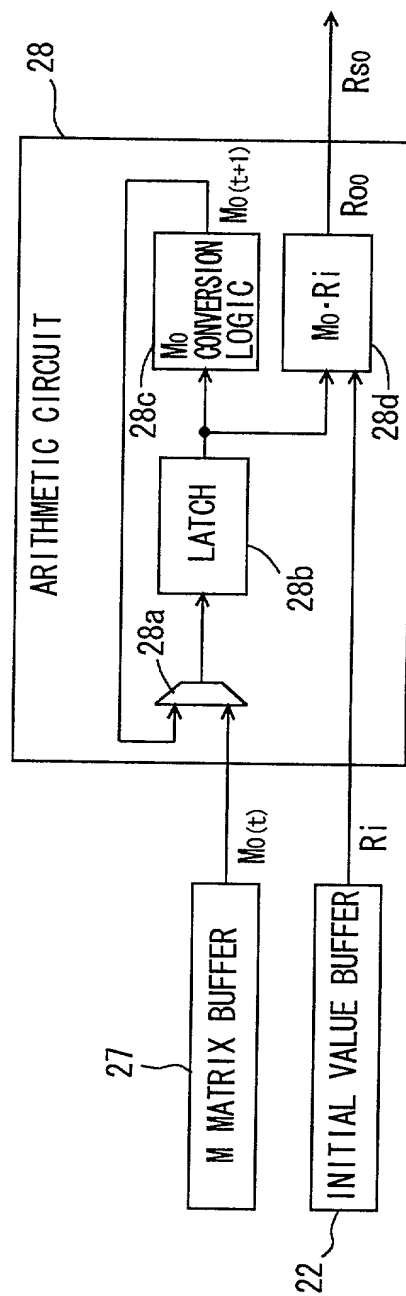


FIG. 14 PRIOR ART

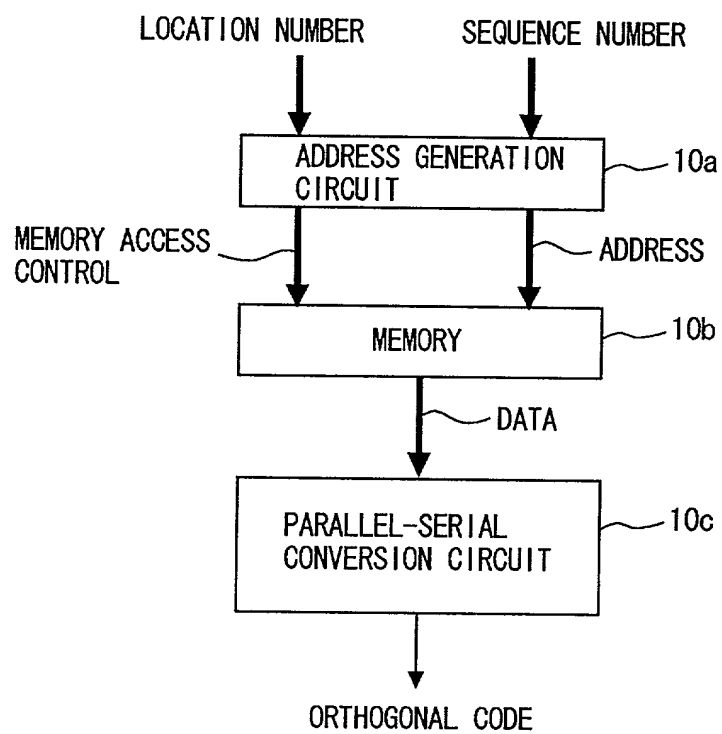


FIG. 15 PRIOR ART

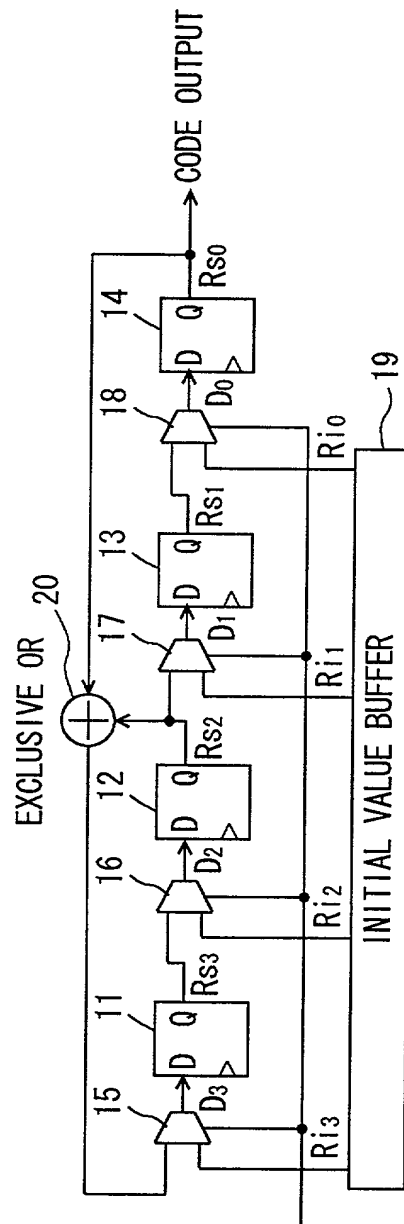


FIG. 16 PRIOR ART

